



Emergency stop/emergency switching off pushbutton, Mushroom-shaped, 38 mm, Pull-to-release function, 2 NC, Cable (black) with M12A plug, 5 pole, 0.2 m



Part no. C22-PV-K02-P10  
Catalog No. 185184

Delivery program

|                           |   |    |                                                    |
|---------------------------|---|----|----------------------------------------------------|
| Product range             |   |    | RMQ compact solution                               |
| Basic function            |   |    | Controlled stop pushbuttons/emergency-stop buttons |
| Mounting hole diameter    | Ø | mm | 22.5                                               |
| Single unit/Complete unit |   |    | Complete unit                                      |
| Design                    |   |    | Mushroom-shaped                                    |
| Diameter                  | Ø | mm | 38                                                 |
| Illumination              |   |    | Non-illuminated                                    |
|                           |   |    | Pull-to-release function                           |
| Connection type           |   |    | Cable (black) with M12A plug, 5 pole               |
| Cable Length              |   | m  | 0.2                                                |
| Description               |   |    | Tamper-proof according to ISO 13850, EN 418        |

Colour

|                            |  |  |                                      |
|----------------------------|--|--|--------------------------------------|
| Mushroom head              |  |  | Red                                  |
|                            |  |  |                                      |
| Base                       |  |  | yellow                               |
| Degree of Protection       |  |  | IP66, IP69 (front)<br>IP65 (on rear) |
| Connection to SmartWire-DT |  |  | no                                   |

Contacts

|                       |  |  |                                                            |
|-----------------------|--|--|------------------------------------------------------------|
| N/C = Normally closed |  |  | 2 NC                                                       |
| Notes                 |  |  | = safety function, by positive opening to IEC/EN 60947-5-1 |

Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1

|                                    |    |  |      |
|------------------------------------|----|--|------|
|                                    | mm |  | 4.65 |
| Maximum travel                     | mm |  | 5.7  |
| Minimum force for positive opening | N  |  | 30   |

|                  |  |  |  |
|------------------|--|--|--|
| Contact sequence |  |  |  |
|------------------|--|--|--|

Contact travel = Contact closed = Contact open

|                 |  |  |  |
|-----------------|--|--|--|
| Contact diagram |  |  |  |
|-----------------|--|--|--|

|                       |  |  |     |
|-----------------------|--|--|-----|
| Positive opening (ZW) |  |  | yes |
|-----------------------|--|--|-----|

### Technical data

#### General

|                                                   |              |                   |                                                                                |
|---------------------------------------------------|--------------|-------------------|--------------------------------------------------------------------------------|
| Standards                                         |              |                   | IEC/EN 60947-5-5<br>VDE 0660                                                   |
| Certifications                                    |              |                   | CE, UL, CSA                                                                    |
| Lifespan, mechanical                              | Operations   | x 10 <sup>6</sup> | > 1                                                                            |
| Operating frequency                               | Operations/h |                   | ≤ 300                                                                          |
| Actuating force                                   |              | n                 | ≤ 50                                                                           |
| Plug tightening torque                            |              | N/m               | 1                                                                              |
| Tightening torque Threaded ring                   |              | Nm                | 2                                                                              |
| Climatic proofing                                 |              |                   | Damp heat, constant, to IEC 60068-2-78<br>Damp heat, cyclic, to IEC 60068-2-30 |
| Degree of Protection                              |              |                   | IP66, IP69 (front)<br>IP65 (on rear)                                           |
| Ambient temperature                               |              |                   |                                                                                |
| Open                                              |              | °C                | -30 - +70                                                                      |
| Storage                                           |              | °C                | - 30 - + 80                                                                    |
| Mounting position                                 |              |                   | As required                                                                    |
| Mechanical shock resistance, shock duration 11 ms |              | g                 | > 30                                                                           |

### Contacts

|                                         |                  |      |                                                                                      |
|-----------------------------------------|------------------|------|--------------------------------------------------------------------------------------|
| Rated impulse withstand voltage         | U <sub>imp</sub> | V AC | 800                                                                                  |
| Rated insulation voltage                | U <sub>i</sub>   | V    | 30                                                                                   |
| Overvoltage category/pollution degree   |                  |      | III/3                                                                                |
| Control circuit reliability             |                  |      |                                                                                      |
| At 17 V DC/7 mA                         | H <sub>F</sub>   |      | N/C contact: statistically determined 1 failure per 0.9 × 10 <sup>6</sup> Operations |
| Max. short-circuit protective device    |                  |      |                                                                                      |
| Fuse                                    | gG/gL            | A    | 4                                                                                    |
| Rated conditional short-circuit current | I <sub>q</sub>   | kA   | 1                                                                                    |

### Switching capacity

|                           |                |   |   |
|---------------------------|----------------|---|---|
| Rated operational current | I <sub>e</sub> | A |   |
| AC-15                     |                |   |   |
| 24 V                      | I <sub>e</sub> | A | 4 |
| DC-13                     |                |   |   |
| 24 V                      | I <sub>e</sub> | A | 3 |

### Cable characteristics

|                         |   |    |      |
|-------------------------|---|----|------|
| Design                  |   |    | M12A |
| Cable Length            |   | m  | 0.2  |
| Material characteristic |   |    | PUR  |
| Diameter                | Ø | mm | 4.7  |

### Design verification as per IEC/EN 61439

|                                        |  |    |     |
|----------------------------------------|--|----|-----|
| Technical data for design verification |  |    |     |
| Operating ambient temperature min.     |  | °C | -30 |
| Operating ambient temperature max.     |  | °C | 70  |

### Technical data ETIM 7.0

|                                                                                                                                                                                                              |  |  |              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--------------|
| Low-voltage industrial components (EG000017) / Emergency stop complete (EC002034)                                                                                                                            |  |  |              |
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / EMERGENCY-STOP pushbutton, complete device (ecI@ss10.0.1-27-37-12-44 [ACN986011]) |  |  |              |
| Unlocking method                                                                                                                                                                                             |  |  | Pull-release |
| Number of contacts as normally closed contact                                                                                                                                                                |  |  | 2            |
| Number of contacts as normally open contact                                                                                                                                                                  |  |  | 0            |
| Degree of protection (IP)                                                                                                                                                                                    |  |  | Other        |
| Mounting method                                                                                                                                                                                              |  |  | Built-in     |
| With lighting                                                                                                                                                                                                |  |  | No           |

|                                   |    |       |
|-----------------------------------|----|-------|
| Hole diameter                     | mm | 22.5  |
| Connection type auxiliary circuit |    | Other |
| Diameter cap                      | mm | 38    |

Approvals

|                             |  |                                                                                              |
|-----------------------------|--|----------------------------------------------------------------------------------------------|
| Product Standards           |  | IEC/EN 60947-5-1; UL 508; CAN/CSA-C22.2 No. 14-10 and No. 94-M91 and No. 94.2-07; CE marking |
| UL File No.                 |  | E340491                                                                                      |
| CSA File No.                |  | 165628                                                                                       |
| CSA Class No.               |  | 321103                                                                                       |
| North America Certification |  | UL listed, CSA certified                                                                     |
| Degree of Protection        |  | 1,3R,4X,12,13                                                                                |

Dimensions

